means cooperating with the blocking mechanism for selectively moving the blocking mechanism from the blocking position to the unblocking position upon occurrence of a predetermined condition, said moving means comprising a shape memory alloy actuator activated by passing electrical current therethrough; and

a side bar cooperating between the shell and the barrel for selectively permitting and blocking rotation of the barrel with respect to the shell, the side bar having a first portion engaging the barrel and a second portion removably received in the cavity in the shell, the side bar being movable relative to the barrel and the shell;

said blocking mechanism including a slider bar movable relative to the side bar, wherein in said unblocking position a recess in said slider bar is positioned adjacent to an extension in said side bar for receiving said extension upon rotation of said barrel.--

--15. (Amended) An electromechanical lock cylinder, comprising:

an outer shell having a bore formed therein and a cavity extending from the bore into the shell;

a barrel disposed within the bore in the shell and being rotatable relative thereto;

a blocking mechanism for normally blocking rotation of said barrel and being movable to an unblocking position to permit rotation of said barrel;

means cooperating with the blocking mechanism for selectively moving the blocking mechanism from the blocking position to the

unblocking position upon occurrence of a predetermined condition, said moving means comprising a shape memory alloy actuator activated by passing electrical current therethrough; and

a side bar cooperating between the shell and the barrel for selectively permitting and blocking rotation of the barrel with respect to the shell, the side bar having a first portion engaging the barrel and a second portion removably received in the cavity in the shell, the side bar being movable relative to the barrel and the shell;

said blocking mechanism including a slider bar movable relative to the side bar, wherein said slider bar is positioned adjacent to a recess in said side bar for receiving said slider bar upon rotation of said barrel.--;

--22. (Twice Amended) An electromechanical lock cylinder, comprising:

an outer shell having a bore formed therein and a cavity extending from the bore into the shell;

a barrel disposed within the bore in the shell and being rotatable relative thereto;

a blocking mechanism located in said barrel for normally blocking rotation of said barrel and being movable to an unblocking position to permit rotation of said barrel; [and]

electronic control means located at least in said lock cylinder cooperating with the blocking mechanism to selectively move the blocking mechanism from the blocking position to the unblocking position upon occurrence of a predetermined condition;

a nitinol wire actuator cooperating with said electronic control means and said blocking mechanism for causing said blocking mechanism to move to said unblocking position upon passing of current through said wire, under control of said control means; and

a side bar cooperating between the shell and the barrel for selectively permitting and blocking rotation of the barrel with respect to the shell, the side bar having a first portion engaging the barrel and a second portion removably received in the cavity in the shell, the side bar being movable relative to the barrel and the shell;

said blocking mechanism including a slider bar movable relative to the side bar, wherein in said unblocking position a recess in said slider bar is positioned adjacent to an extension in said side bar for receiving said extension upon rotation of said barrel.--;

--24. (Amended) An electromechanical lock cylinder, comprising:

an outer shell having a bore formed therein and a cavity extending from the bore into the shell;

a barrel disposed within the bore in the shell and being rotatable relative thereto;

a blocking mechanism located in said barrel for normally blocking rotation of said barrel and being movable to an unblocking position to permit rotation of said barrel;

electronic control means located at least in said lock cylinder cooperating with the blocking mechanism to selectively